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Sheet 1 of 9

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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Applicants: Paul E. Harris and Charles Hesdorffer			
				Filing Date: November 30, 2000		Group Art Unit: 1644	
U.S. PATENT DOCUMENTS							
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
AS		Schwartz-Albiez, R., et al., (1988) "The B Cell-Associated CD37 Antigen (gp40-52), Structure and Subcellular Expression of an Extensively Glycosylated Glycoprotein", <u>Journal of Immunology</u> , 140:905-914;					
		M. Kiremitci, et al., (1990) "Cell Adhesion to the Surfaces of Polymeric Beads", <u>Biomat. Art. Cells Art. Org.</u> , 599-603;					
		Caux, C., et al., (1994) "Activation of human dendritic cells through CD40 cross-linking", <u>Journal of Experimental Medicine</u> 180:1263-1272;					
		Thomas, R., and Lipsky, P.E., (1994) "Human peripheral blood dendritic cell subsets, Isolation and characterization of precursor and mature antigen-presenting cells", <u>Journal of Immunology</u> , 153:4016-4028;					
		He, Y.W., et al., (1995) "Expression and function of the γ_c subunit of the IL-2, IL-4, and IL-7 receptors, Distinct interaction of γ_c in the IL-4 receptor", <u>Journal of Immunology</u> , 154:1596-1605;					
		Macatonia, S.E., et al., (1995) "Dendritic cells produce IL-12 and direct the development of Th1 cells from naive CD4 ⁺ T cells", <u>Journal of Immunology</u> , 354:5071-5079;					
		Saitoh, S., et al., (1995) "Modulation of TCR-mediated signaling pathway by thymic shared antigen-1 (TSA-1)/stem cell antigen-2 (Sca-2) ¹ ", <u>Journal of Immunology</u> , 155:5574-5581;					
SD		Bender, A., et al., (1996) "Improved methods for the generation of dendritic cells from nonproliferating progenitors in human blood", <u>Journal of Immunological Methods</u> , 196, 121-135.					
EXAMINER		DATE CONSIDERED					
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Sheet 2 of 9

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		Cella, M., et al., (1996) "Ligation of CD40 on dendritic cells triggers production of high levels of interleukin-12 and enhances T cell stimulatory capacity: T-T help via APC activation", <u>Journal of Experimental Medicine</u> , 184: 747-752.					
		Romani, N., et al., (1996) "Generation of mature dendritic cells from human blood, An improved method with special regard to clinical applicability", <u>Journal of Immunological Methods</u> , 396:137-151;					
		Zhou, L.J. and Tedder, T.F., (1996) "CD14 ⁺ blood monocytes can differentiate into functionally mature CD83 ⁺ dendritic cells", <u>Proc. Natl. Acad. Sci. USA</u> , 93:2588-2592;					
		Kalinski, P., et al., (1997) "IL-12-deficient dendritic cells, generated in the presence of prostaglandin E ₂ , promote type 2 cytokine production in maturing human naive T helper cells ¹ ", <u>Journal of Immunology</u> , 159:28-35;					
		Schuler, G. and Steinman R.M. (1997) "Dendritic cells as adjuvants for immune-mediated resistance to tumors", <u>J. Exp. Med.</u> , 186:1183-1187;					
		Takahashi, K., et al., (1997) "Dendritic cells generated from human blood in granulocyte macrophage-colony stimulating factor and interleukin-7", <u>Human Immunology</u> , 55:103-116;					
		Bartholeyns, J., et al., (1998) "Cellular Vaccines", <u>Res. Immunol.</u> , 149:647-649;					
		Bonocchi, R., et al., (1998) "Differential expression of chemokine receptors and chemotactic responsiveness of type 1 T helper cells (Th1s) and Th2s", <u>Journal of Experimental Medicine</u> , 187:129-134;					
EXAMINER:		DATE CONSIDERED 12/23/02					
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FOREIGN PATENT DOCUMENTS

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						Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Di Nicola, M., (1998) "Human dendritic cells: natural adjuvants in antitumor immunotherapy", <u>Cytokines, Cellular & Molecular Therapy</u> , 265-273;
Eisen, M.B., et al., (1998) "Cluster analysis and display of genome-wide expression patterns", <u>Proceedings of the National Academy of Sciences of the United States of America</u> , 95:14863-14868;
Escola, J.M., et al., (1998) "Selective enrichment of tetraspan proteins on the internal vesicles of multivesicular endosomes and on exosomes secreted by human B-lymphocytes", <u>Journal of Biological Chemistry</u> , 273:20121-20127;
Ferrer, M., et al., (1998) "Pattern of expression of tetraspanin antigen genes in Burkitt lymphoma cell lines", <u>Clinical and Experimental Immunology</u> , 113:346-352;
Legler, D.F., et al., (1998) "B cell-attracting chemokine 1, a human CXC chemokine expressed in lymphoid tissues, selectively attracts B lymphocytes via BLR1/CXCR5", <u>Journal of Experimental Medicine</u> , 187:655-660;
Mellman, I., et al., (1998) "Antigen processing for amateurs and professionals", <u>Trends in Cell Biology</u> , 8:231-237;
Ria, F., et al., (1998) "Th1 cells induce and Th2 inhibit antigen-dependent IL-12 secretion by dendritic cells", <u>European Journal of Immunology</u> , 28:2003-2016;
Sparwasser, T., et al., (1998) "Bacterial DNA and immunostimulatory CpG oligonucleotides trigger maturation and activation of murine dendritic cells", <u>European Journal of Immunology</u> , 28:2045-2054;

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

532	Dhodapkar, M.V., et al., (1999) "Rapid generation of broad T-cell immunity in humans after a single injection of mature dendritic cells", <u>Journal of Clinical Investigation</u> , 104:173-180.
	Glaser, A., et al., (1999) "Collection of mononuclear cells in the Spectra for the generation of dendritic cells", <u>Transfusion</u> , 39:661-662;
	Hartmann, G., et al., (1999) "CpG DNA: a potent signal for growth, activation, and maturation of human dendritic cells", <u>Proceedings of the National Academy of Sciences of the United States of America</u> , 96:9305-9310;
	Kalinski, P., et al., (1999) "T-cell priming by type-1 and type-2 polarized dendritic cells: the concept of a third signal", <u>Immunology Today</u> , 20:561-567;
	Kapsenberg, M.L. and Kalinski, P., (1999) "The concept of type 1 and type 2 antigen-presenting cells", <u>Immunology Letters</u> , 69:5-6;
	Papadopoulos, E.J., et al., (1999) "Fractalkine, a CX3C chemokine, is expressed by dendritic cells and is up-regulated upon dendritic cell maturation", <u>European Journal of Immunology</u> , 29:2551-2559;
	Randolph, D.A., (1999) "The role of CCR7 in T _H 1 and T _H 2 cell localization and delivery of B cell help in vivo", <u>Science</u> , 286:2159-2162;
532	Rescigno, M., et al., (1999) "Coordinated events during bacteria-induced DC maturation", <u>Immunology Today</u> , 20:200-203;

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						Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Sallusto, E., et al., (1999) "Distinct patterns and kinetics of chemokine production regulate dendritic cell function", <u>European Journal of Immunology</u> , 29:1617-1625;
	Sallusto, F., et al., (1999) "Two subsets of memory T lymphocytes with distinct homing potentials and effector functions", <u>Nature</u> , 401:708-712;
	Thurner, B., et al., (1999) "Generation of large numbers of fully mature and stable dendritic cells from leukapheresis products for clinical application", <u>Journal of Immunological Methods</u> , 223:1-15;
	Ansel, K.M., et al., (2000) "A chemokine-driven positive feedback loop organizes lymphoid follicles," <u>Nature</u> , 406:309-314;
	Banchereau, J., et al., (2000) "Immunobiology of dendritic cells", <u>Annual Review of Immunology</u> , 18:767-811;
	Bertho, N., et al., (2000) "HLA-DR-mediated apoptosis susceptibility discriminates differentiation stages of dendritic/monocytic APC ¹ ", <u>Journal of Immunology</u> , 164:2379-2385;
	Dhodapkar, M.V., et al., (2000) Mature dendritic cells boost functionally superior CDS ⁺ T-cell in humans without foreign helper epitopes", <u>Journal of Clinical Investigation</u> , 105:R9-R14;
	Hashimoto, S.I., et al., (2000) "Identification of genes specifically expressed in human activated and mature dendritic cells through serial analysis of gene expression", <u>Blood</u> , 96:2206-2214;

EXAMINER 	DATE CONSIDERED
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FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

SSE	Ishii, M., et al., (2000) "Direct comparison of GeneChip and SAGE on the quantitative accuracy in transcript profiling analysis", <u>Genomics</u> , 68:136-143;
	Knobeloch, K.P., et al., (2000) "Targeted inactivation of the tetraspanin CD37 impairs T-cell-dependent B-cell response under suboptimal costimulatory conditions", <u>Molecular and Cellular Biology</u> , 20:5363-5369;
	Kodaira, Y., et al., (2000) "Phenotypic and functional maturation of dendritic cells mediated by heparan sulfate ¹ ", <u>Journal of Immunology</u> , 165:1599-1604;
	Langenkamp, A., et al., (2000) "Kinetics of dendritic cell activation: impact on priming of T _H 1, T _H 2 and nonpolarized Tcells", <u>Nature Immunology</u> , 1:311-316;
	Larsson, M., et al., (2000) "Requirement of mature dendritic cells for efficient activation of influenza A-specific memory CD8 ⁺ T cells ¹ ", <u>Journal of Immunology</u> , 165:1182-1190;
	Li, L., et al., (2000) "Effect of interleukin-7 on the in vitro development and maturation of monocyte derived human dendritic cells", <u>Scandinavian Journal of Immunology</u> , 51:361-371.
	Maffei, A., et al., (2000) "A novel closed system utilizing styrene copolymer bead adherence for the production of human dendritic cells", <u>Transfusion</u> , 40:1419-1420;
SSE	Neumann, M., et al., (2000) "Differential expression of Rel/NF-κB and octamer factors is a hallmark of the generation and maturation of dendritic cells", <u>Blood</u> , 95:277-285;

EXAMINER Ewaldt	DATE CONSIDERED 12/23/02
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



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Sheet 7 of 9

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
1504		Tanaka, H., et al., (2000) "Human monocyte-derived dendritic cells induce naive T cell differentiation into T helper cell type 2 (Th2) or Th1/Th2 effectors: Role of stimulator/responder ratio", <u>Journal of Experimental Medicine</u> , 192, 405-412;					
		Tjoa, B.A. and Murphy, G.P., (2000) Development of dendritic-cell based prostate cancer vaccine", <u>Immunology Letters</u> , 74:87-93;					
		Vieira, P.L., et al., (2000) "Development of Th1-inducing capacity in myeloid dendritic cells requires environmental instruction", <u>Journal of Immunology</u> , 164:4507-4512;					
		Ebner, S., et al., (2001) "Production of IL-12 by human monocyte-derived dendritic cells is optimal when the stimulus is given at the onset of maturation, and is further enhanced by IL-4", <u>Journal of Immunology</u> , 166:633-641;					
		Boyum, A., (1983) "Isolation of human blood monocytes with Nycodenz, a new non-ionic iodinated gradient medium", <u>Scandinavian Journal of Immunology</u> , 17:429-436;					
		Sallusto, F. and Lanzavecchia, A., (1994) "Efficient presentation of soluble antigen by cultured human dendritic cells is maintained by granulocyte/macrophage colony-stimulating factor plus interleukin 4 and downregulated by tumor necrosis factor alpha", <u>Journal of Experimental Medicine</u> , 179:1109-1118;					
		Bernhard, H., et al., (1995) "Generation of immunostimulatory dendritic cells from human CD34+ hematopoietic progenitor cells of the bone marrow and peripheral blood", <u>Cancer Research</u> , 55:1099-1104;					
		Koch, E., et al. (1995) "Antigen processing in populations of mature murine dendritic cells is caused by subsets of incompletely matured cells", <u>Journal of Immunology</u> , 155:93-100;					
EXAMINER		DATE CONSIDERED					
E. W. [Signature]		12/23/02					
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582	Sallusto, E., (1995) "Dendritic cells use macropinocytosis and the mannose receptor to concentrate macromolecules in the major histocompatibility complex class II compartment: downregulation by cytokines and bacterial products", <u>Journal of Experimental Medicine</u> , 182:389-400;
	Siena, S., et al. (1995) "Massive ex vivo generation of functional dendritic cells from mobilized CD34+ blood progenitors for anticancer therapy", <u>Experimental Hematology</u> , 23:1463-1471;
	Grass, H.J., (1996) "Molecular, structural, and biological characteristics of the tumor necrosis factor ligand superfamily", <u>International Journal of Clinical and Laboratory Research</u> , 26:143-159;
	Lin, E.Y., et al., (1996) "A1, a Bcl-2 family member, prolongs cell survival and permits myeloid differentiation", <u>Blood</u> , 87:983-992;
	Ye, Z., (1996) "In vitro expansion and characterization of dendritic cells derived from human bone marrow CD34+ cells", <u>Bone Marrow Transplantation</u> , 18:997-1008;
	Kalinski, P., (1997) "Dendritic cells, obtained from peripheral blood precursors in the presence of PGE2, promote Th2 responses", <u>Advances in Experimental Medicine and Biology</u> , 417:363-367;
	Morse, M.A., et al., (1997) "Generation of dendritic cells in vitro from peripheral blood mononuclear cells with granulocyte-macrophage-colony-stimulating factor, interleukin-4, and tumor necrosis factor-alpha for use in cancer immunotherapy", <u>Annals of Surgery</u> , 226:6-16.
582	Sallusto, E., et al., (1998) "Rapid and coordinated switch in chemokine receptor expression during dendritic cell maturation", <u>European Journal of Immunology</u> , 28:2760-2769;

EXAMINER E. W. H.	DATE CONSIDERED 12/23/02
----------------------	-----------------------------

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SPE	Zitvogel, L., et al., (1998) "Eradication of established murine tumors using a novel cell-free vaccine: dendritic cell-derived exosomes", <u>Nature Medicine</u> , 4:594-600;						
	Gattei, V., et al. (1999) "CD30 ligand (CD30L)-expressing acute myeloid leukemias: a new model of paracrine interactions for the regulation of blast cells proliferation", <u>Leukemia and Lymphoma</u> , 35:21-35;						
	Granucci, F., et al., (1999) "Early events in dendritic cell maturation induced by LPS", <u>Microbes and Infection</u> , 1:1079-1084;						
	Hashimoto, S., et al., (1999) "Serial analysis of gene expression in human monocyte-derived dendritic cells", <u>Blood</u> , 94:845-852;						
	Lanzavecchia, A., (1999) "Dendritic cell maturation and generation of immune responses", <u>Haematologica</u> , 84:23-25;						
	Brinckerhoff, L.H., et al., (2000) "Melanoma vaccines", <u>Current Opinion in Oncology</u> , 12:163-173;						
	Rieser, C., et al., (2000) "Mature dendritic cells induce T-helper type-1-dominant immune responses in patients with metastatic renal cell carcinoma", <u>Urologia Internationalis</u> , 63:151-159;						
	Toney, L.M., et al., (2000) "BCL-6 regulate chemokine gene transcription in macrophages", <u>Nature Immunology</u> , 3:214-220;						
EXAMINER <i>Eudalt</i> DATE CONSIDERED <i>12/23/02</i>							
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